22nd IEEE/NPSS Symposium on Fusion Engineering

The 22nd IEEE/NPSS Symposium on Fusion Engineering will be held on June 17-21, 2007 in Albuquerque, New Mexico, USA. The venue for the meeting will be the Albuquerque Convention Center. The symposium is dedicated to the scientific, technological and engineering issues of fusion energy research. The Symposium will be co-located with ICOPS and Pulsed Power Symposium. All three conferences will be available to Symposium participants.

The meeting will be hosted by Sandia National Laboratories. The symposium is regularly attended by over 300 fusion scientists and engineers from the international fusion community. The symposium is a mixture of oral and poster sessions allowing for extensive interactions among the participants.

Detailed information for preparation of the abstracts will be available on the conference Web-site. Authors must submit abstracts on the Symposium Web-site. The Program Committee will select papers for oral or poster sessions. Final paper submission must also be done on the Web-site. A CD copy of the proceedings will be sent to each participant.

- Magnet Engineering
  Divertors and Plasma Facing Component Engineering
- Materials Engineering
- Nuclear Engineering
- Safety and Envirommental Engineering
- Assembly, Fabrication and Maintenance Engineering
- Blanket, Shield and Vacuum Vessel Engineering
- Tokamak Engineering and Operations
- Inertial Fusion Engineering
- RF Systems
- Tritium systems
- Vacuum Systems
- Plasma Control Systems
- Neutral Beam Heating Systems
- Power Systems
- Heating and Current Drive Systems
- Electromagnetics and Electromechanics
- Plasma Materials Interactions
- Data Acquisition and Diagnostics
  Power Plant Studies
  Engineering of Advanced Fusion Machines

Abstract Deadline	March 16, 2007
Authors Notified	April 30, 2007

Nominations Sought for the IEEE/ NPSS Fusion Technology Award

Description:
To recognize outstanding contributions to research and development in the field of Fusion Technology.

Prize:
$1,500 and Plaque. Each award recipient will have conference registration fees waived for the conference year in which the award is made and will be reimbursed reasonable travel expenses for conference attendance upon presentation of a travel report, but not to exceed $1,200.

Eligibility:
Any person, regardless of nationality or Society affiliation, is eligible for the award, with the exception that no current member of the IEEE/NPSS Standing Committee on Fusion Technology may be considered.

Basis for Judging:
The recipient shall be selected for one of two categories as determined by the IEEE/NPSS Standing Committee on Fusion Technology: (a) outstanding and innovative technical contributions which are widely recognized and have a major impact in the Fusion Technology Community; or (b) outstanding and innovative technical leadership in or service to the Fusion Technology Community. The nominee is not required to be a member of IEEE or NPSS but, where candidates have otherwise equal qualifications, preference shall be given to the candidate who is a member of IEEE.

Past Recipients:
A list of past recipients of the Fusion Technology Award can be found at http://aries.ucsd.edu/NPSS-FT/awards.shtml.

Presentation:
The award will be presented at the 22st Symposium on Fusion Engineering in Albuquerque, NM; June 17-22, 2007.

Nominations:
Please send nominations to Phil Heitzenroeder at pheitzen@pppl.gov , or contact him by phone at (609)-243-3043 by March 16.

Submittals should describe the technical and / or leadership contributions on which the nomination is recommended along with a resume.

Best Student Paper Award for SOFE22

Description:
To encourage participation of students in SOFE and to recognize outstanding papers by students, the standing committee will award up to two prizes for the best student paper.

Prize:
$500, a text book related to fusion technology, and a certificate. The conference registration fee will be refunded to the prize winners.

Eligibility:
The student must be the first author of the paper and the content of the paper must be mostly the student's work. The student must be enrolled in a MS or PhD program. Any student so qualified, regardless of nationality or Society affiliation, is eligible.

Basis for Judging:
The SOFE 22 program committee will prescreen papers submitted for consideration for the award. Up to six finalists will be notified before SOFE22 to prepare a 10 minute presentation to be made to the standing committee during a lunch meeting at SOFE22. The standing committee will select up to two best papers.
Presentation:
The award(s) will be presented at the Symposium banquet.

Identification of student papers:
Students wishing to be considered for the award must send a copy of their abstract and proof of student status to the Program Chair, Michael Ulrickson (maulric@sandia.gov) by the abstract deadline. No post deadline submissions will be accepted.

G e n e r a l   C h a i r m a n

D e n n i s   Y o u c h i s o n

Sandia National Laboratories

Technical Program Chariman

M i c h a e l   U l r i c k s o n

Sandia National Laboratories

IEEE/NPSS Fusion Standing Committee

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Visit the SOFE 22 Web-site at:
www.sofe22.sandia.gov

Please find links to the abstract submission process, instructions for paper and abstract format, copyright information, Hotel registration, Companion program, and Symposium registration.